SIEMENS

SIREMOBIL Compact

SP

System Manual

Installation and Setting Instructions

Replacing the control lever and guide wheels

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Safety information

CAUTION

When performing service work and tests, adhere to the product-specific safety information as well as the general safety information contained in the ARTD Part 2.

Tests and adjustments that have to be performed with radiation ON, are identified with the ☢ radiation warning symbol. When performing these types of adjustments, radiation protective clothing must be worn.

Disconnect the power cord when working on the system.

Observe ESD guidelines.

Protective conductor test

After completing all service work and reattaching the covers, perform the protective conductor test as specified in ARTD-002.731.17... .
The protective conductor resistance should not exceed 0.2 ohms.

Miscellaneous information

A second person is required to briefly assist when replacing the guide wheels.

Required documents

Circuit diagram G5429

Service Instructions RXR2-130.061.01....

Required tools and measurement devices

Standard service kit (refer to ARTD / Part 3)	
Spring scale 20 N	44 29 114
Protective conductor meter	44 15 899
Electric drill	
3 mm knockout punch	
4 mm sheet metal drill	
Loctite 242	34 69 046

Required material

Control lever repair kit	37 80 603

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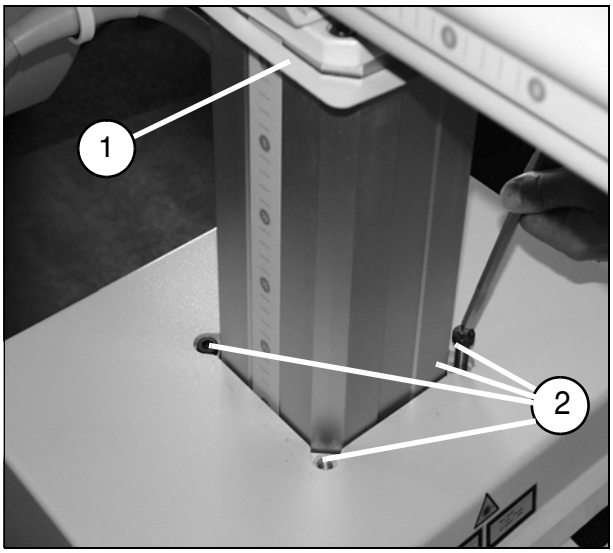

Fig. 1

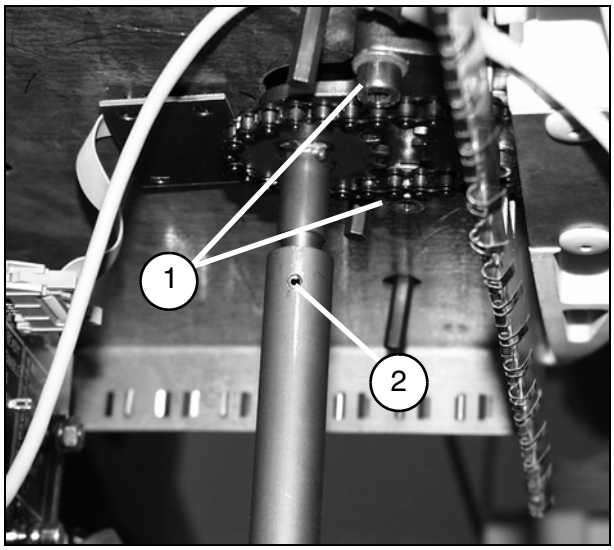

Fig. 2

Preliminary steps

- Move the lifting column up approximately 20 cm.
- Switch the SIREMOBIL off and disconnect the power cord.
- Secure the system from unintended switch on.
- Remove the back cover from the unit.

Removing the control lever

- Push the cover of the lifting column (1/Fig. 1) up and secure it.
- Remove the 4 mounting screws (2/Fig. 1) from the control panel.
- Rotate the control lever so that it is parallel to the unit.
- Mark the position of the control lever at the control panel and wheel positions.
- Remove the cover over the service plug.
- Remove the spring pin (2/Fig. 2) from the control rod.
- Remove the 2 Allen screws (1/Fig. 2) for the control lever.
- Remove the cover ring around the control lever.
- Lift the control panel upward, pull off the control lever with gears and remove it, while holding the lifting column in place.

Installing the control lever

- Lift the control panel upward and place the new control lever with gears through the hole in the control panel and push it onto the control rod.
- Secure the control lever with gears by inserting and tightening the 2 Allen screws (1/Fig. 2).

- Mount the control panel with the 4 mounting screws (2/Fig. 1).
- Check the wheel positioning with the control lever.
- Drill a 4 mm hole for the spring pin.

NOTICE	**Cover the components inside the unit (e. g. boards) to protect them from drill chips.**

- Insert the new spring pin.
- Check the unit control.
- Reinstall the cover ring around the control lever.
- Remove any drill chips.

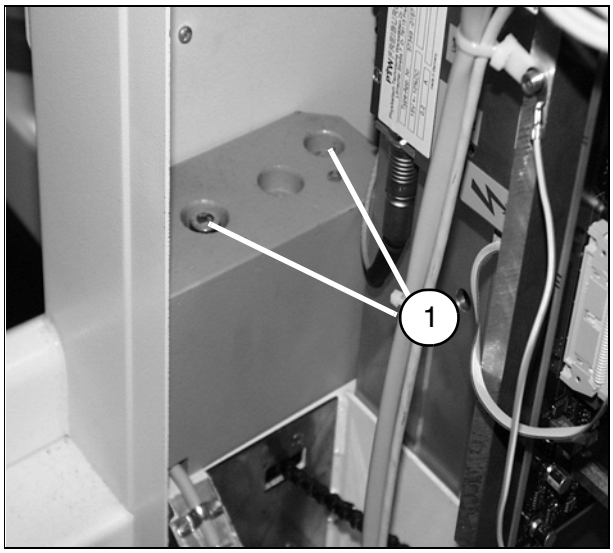

Fig. 1

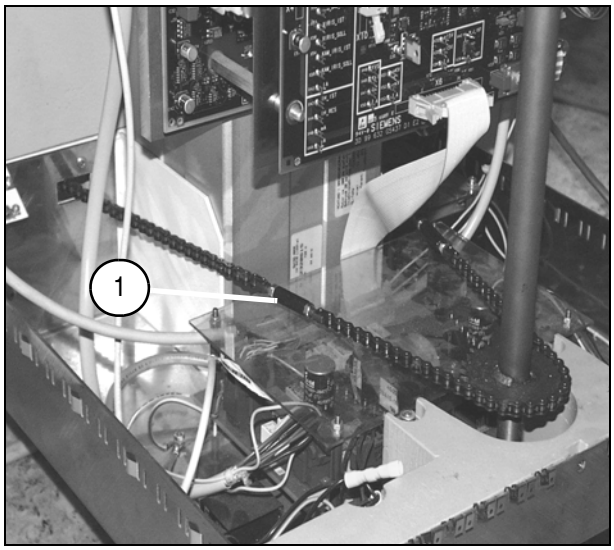

Fig. 2

Removing the left guide wheel

- Remove the 2 Allen mounting screws (1/Fig. 1) for the left counterbalance.
- Remove the counterbalance by pulling it upward.
- Remove the footswitch bracket.
- Remove the 2 Allen mounting screws for the right counterbalance.
- Lift the counterbalance slightly and push it to the left side.
- Remove the counterbalance by pulling it upward.

CAUTION

Make sure to keep some tension on the chain during the replacement. It can be secured with a rubber band or piece of insulation tape. If the chain is too loose, it may slide off the sprocket and will be difficult to reinstall.

- Loosen the chain slightly with the left chain take-up (1/Fig. 2).

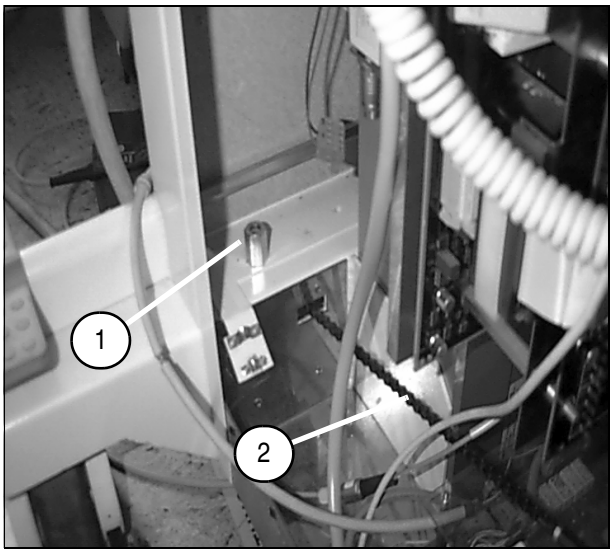

Fig. 3

- Remove the nut (1/Fig. 3) for the guide wheel. Hold the wheel firmly while doing this.
- Remove the old guide wheel holding the chain firmly.

Installing the left guide wheel

- Install the nut on the new guide wheel and check for ease of movement.
- Install the new wheel with the chain and secure it with the nut and Loctite 242.
- Tighten the chain with the left take-up (1/Fig. 2).

Removing the right guide wheel

NOTICE

Make sure to keep some tension on the chain during replacement. It can be secured with a rubber band or piece of insulation tape. If the chain is too loose, it may slide off the sprocket and will be difficult to reinstall.

- Slightly loosen the right chain take-up.
- Remove the nut for the guide wheel. Hold the wheel firmly when doing this.
- Remove the old guide wheel holding the chain firmly.

Installing the right guide wheel

- Install the nut on the new guide wheel and check it for ease of movement.
- Insert the new guide wheel with the chain and secure it with the nut and Loctite 242.
- Tighten the chain with the right chain take-up.
- Reinstall the left and right counterbalance.

Adjustments

- Position the control lever so that it is parallel to the unit.
- Both guide wheels must be parallel. Adjust them, if necessary, with both chain take-ups.
- Check the tension on the chain and adjust it, if necessary. To do this, suspend the spring scale at a point (2/Fig. 3) on the chain and pull outward. The play on the chain should be adjusted to 9 mm $\pm$ 2 mm at 10 Nm.

Concluding work

- Switch the system on and perform a function check.
- Reinstall the cover. Make sure to connect the protective conductor.
- Perform the protective conductor test.

TD PS 24 / Rottner
TD SD 24 / Groß
SMS, Iselin / O'Donnell

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